## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/21916

	SIFICATION OF SUBJECT MATTER				
PC(7) : F16D 003/84 US CL : 464/171					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols)					
U.S.: 464/170, 171, 176; 277/346; 74/609; 180/84, 346; 280/159					
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Documentation	on searched other than minimum documentation to the	extent that	such documents are included in	the fields searched	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
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C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.	
X	US 1,253,108 A (TAYLOR) 08 January 1918 (08.01.1918), figure 1.			.7 and 8	
x	US 1,670,175 A (WIKOF) 15 May 1928 (15.05.1928), figure 1			7 and 8	
				, and o	
A	US 3,177,683 A (OLSON) 13 April 1965 (13.04.1965), figure 1.			1-12	
A	SU 632843 A (VEINBERG) 15 November 1978 (15.15.1978), see entire document.				
	13.13.14/8), see entire document.			1-12	
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Further documents are listed in the continuation of Box C. See patent family annex.					
, s	Special categories of cited documents:	"T"	later document published after the inte	mational filing date or priority	
"A" documen	at defining the general state of the art which is not considered to be of		date and not in conflict with the applic principle or theory underlying the inve		
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	plication or patent published on or after the international filing date .		considered novel or cannot be conside when the document is taken alone		
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establish the publication date of another citation or other special reason (as specified)		1	document of particular relevance; the considered to involve an inventive step	when the document is combined	
"O" document referring to an oral disclosure, use, exhibition or other means			with one or more other such document obvious to a person skilled in the art		
"P" document published prior to the international filing date but later than the			document member of the same patent	family	
priority date claimed		"&" 	parent		
Date of the actual completion of the international search		Date of n	Date of mailing of the international search report		
23 November 2004 (23.11.2004)		L <i>U7</i>	FEB 2005		
Name and ma	ailing address of the ISA/US	Authoriz	ed officer		
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